



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **04357134 A**(43) Date of publication of application: **10.12.92**

(51) Int. Cl. **C03C 17/34**
B60J 1/00
G02B 1/10

(21) Application number: **03126223**(22) Date of filing: **29.05.91**(71) Applicant: **CENTRAL GLASS CO LTD**(72) Inventor: **TAKAMATSU ATSUSHI**
MAKITA KENSUKE(54) **REFLECTION-REDUCED GLASS FOR VEHICLE**

50-70° from the perpendicular line to the layer 6 surface.

(57) Abstract:

COPYRIGHT: (C)1992,JPO&Japio

PURPOSE: To provide the title glass designed to improve its see-through ability and safety by providing a transparent glass substrate with specific thin film coating layers to reduce the reflectance of reflected light upon obliquely incident visible rays.

CONSTITUTION: Firstly, an inside glass plate 3 is immersed in an alkoxide solution, pulled up and heated to coat the outside of said plate 3 with the first thin film layer 5 having a refractive index n_1 of 1.8-1.9, a thickness of 700-900Å; and the molar ratio $\text{TiO}_2/\text{SiO}_2=(55-62):(45-38)$. Secondly, the layer 5 is coated with the second thin SiO film layer 6 having a refractive index n_2 of 1.4-1.5 and a thickness of 1100-1300Å. Then, the resulting thin film-laid glass plate 3 is put to a flexural heating treatment and subjected to laminating with a bent outside glass plate 2 and an interlayer 4, thus obtaining the objective glass 1 ensuring the reflectance of the layer 6 surface to be reduced by 4.5-6.5% compared to that of conventional glass surface uncoated for incident visible rays on the film surface side at a incident angle of

